

ABSTRACT

A wine must pump (10) for pumping a wine product (23) such as must or pomace, has an
5 intake port (14) for receiving the wine product (23), a discharge port (16) for discharging the
wine product (23) under pressure, vacuum chamber (20), connected to the inlet port (14), for
receiving and separating wine product (23) from air, a pressure valve (26) for allowing the wine
product (23) to remove from the vacuum chamber (20) and an air pump (18) for providing the
vacuum and forced air. A thermal transfer unit (28) removes heat from air exiting the air pump
10 (18) such that the wine product (23) is not harmed thereby. A demister (39) removes moisture
from recycled air entering the air pump (18) . Silencers (74), (76) and (86), and an air pump
sound box (110), provide for the quiet operation of the wine must pump (10).